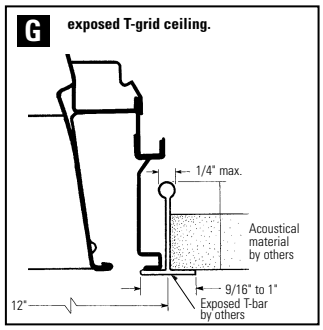
STACKLYTE **STA 1'x4' 2 LAMP**

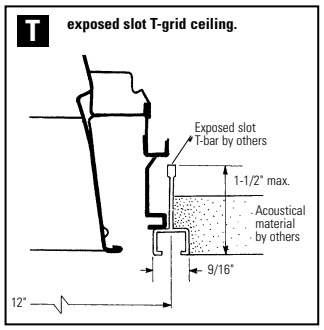
1'x4' RECESSED FLUORESCENT, 3" DEEP, 8 OR 12 CELL PARABOLIC LOUVER
STATIC OR AIR SUPPLY/RETURN, IES RP1 FOR NORMAL VDT USE

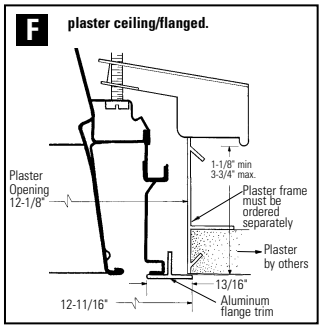
Features

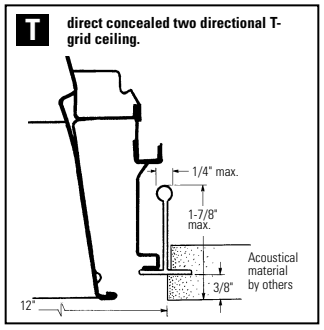
- Excellent for lighting library bookshelves, 97.5% of fixtures distribution is in the 0°-60° zone.
- Meets IES RP1 for lighting VDT areas with normal use.
- 68.4% efficient (T8 - 8 cell).
- Semi-specular low iridescence pre-anodized louver.
- Vertical grain on louver eliminates reflected lamp image on cross baffle.
- Louver frame with integral positive light stop.
- Spring loaded latches (self centering).
- Louver has protective dust guard.
- Black housing exterior for cooler ballast operating temperature.
- Turned-in edges for safe handling.
- Built-in earthquake clip (patent number 5,072,344).
- UL-Listed twin knockout access plate.
- Air closure strips (optional).
- Construction to meet NYC Code or Chicago Plenum is available.

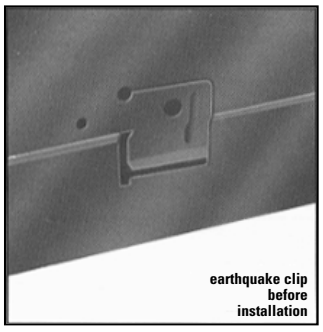
MOUNTING METHODS

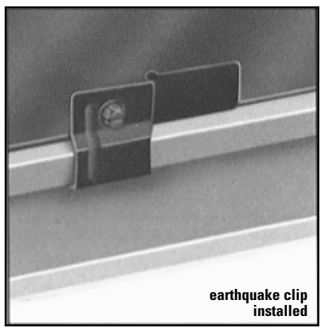




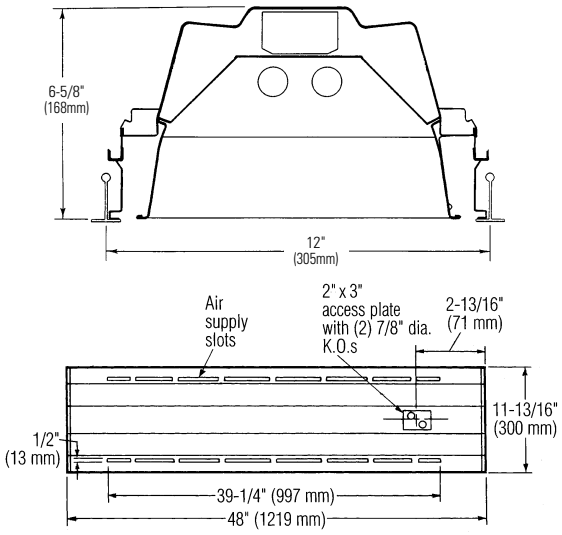








DIMENSIONS



Job Information	Type:
Job Name:	
Cat. No.:	
Lamp(s):	
Volts/Ballast:	

Lightolier a Genlyte Thomas Company www.lightolier.com
Technical Information: (978) 657-7600 • Fax (978) 658-0595
631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
We reserve the right to change details of design, materials and finish.
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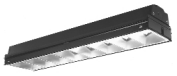
LIGHTOLIER®



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1'x4' RECESSED FLUORESCENT, 3" DEEP, 8 OR 12 CELL PARABOLIC LOUVER
STATIC OR AIR SUPPLY/RETURN, IES RP1 FOR NORMAL VDT USE

PHOTOMETRY

MODEL NO. STA1G8LR232120SO

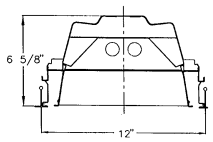
LER = FL - 55.0 IW - 61.9 BF - 0.88
Comparative yearly lighting energy cost per 1000 lumens = $4.36

GTL TESTING LABORATORY
45 Industrial Way
Wilmington, MA 01887
(978) 657-7600

REPORT NO.: G97035 DATE: 10/30/97
CATALOG NO.: STA1G8LR232 SO
LAMP(S): 2 FO32T8, EACH RATED 2850 LUMENS.
LUMINAIRE: STACKLYTE 8 CELL SEMISPEC LOUVER
SPECULAR REFLECTOR W/ MOTOROLA
M2RNT811LJ120 BALLAST

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	FLUX
0	1459	1459	1459	1459	1459	
5	1449	1492	1563	1631	1659	154
15	1395	1638	1981	2154	2208	537
25	1272	1748	2102	2175	2162	887
35	1078	1638	1750	1707	1682	1008
45	829	1295	1179	959	882	822
55	520	707	472	227	115	395
65	53	93	74	47	27	79
75	14	15	13	11	9	14
85	4	4	3	3	2	4
90	0	0	0	0	0	



ZONAL LUMEN SUMMARY

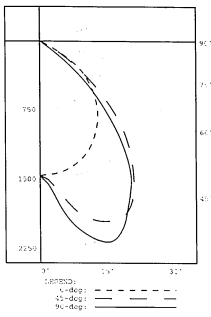
ZONE	LUMENS	%LAMP	%FIXT
0- 30	1579	27.7	40.5
0- 40	2586	45.4	66.3
0- 60	3803	66.7	97.5
0- 90	3900	68.4	100.0
90-180	0	0.0	0.0
0-180	3900	68.4	100.0

TOTAL LUMINAIRE EFFICIENCY = 68.4 %
TOTAL REFLECTANCE OF PAINT = 95.0 %
CIE TYPE - DIRECT

PLANE	: 0-DEG	90-DEG
SPACING CRITERIA	: 1.2	1.6
PLANE	: 0-DEG	90-DEG
LUMINOUS LENGTH	:46.250	9.500

LUMINANCE DATA IN CANDELA/SQ M

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	4134.	5880.	4399.
55	3197.	2902.	707.
65	442.	617.	225.
75	191.	177.	123.
85	162.	121.	81.



THIS REPORT IS BASED ON PUBLISHED INDUSTRY PROCEDURES • FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

coefficients of utilization — zonal cavity method

RF	20			20			20		
RC	80			50			30		
RW	70	50	30	50	30	10	50	30	10
room cavity ratio 1	77	74	72	70	68	67	67	66	65
2	71	67	64	64	61	59	61	59	57
3	66	61	56	58	54	52	56	53	51
4	62	55	50	53	49	46	51	48	45
5	57	50	45	48	44	41	47	43	40
6	53	46	40	44	40	36	43	39	36
7	50	42	37	40	36	33	39	35	32
8	47	38	33	37	33	29	36	32	29
9	44	35	30	34	30	27	34	30	27
10	41	33	28	32	27	24	31	27	24

VERTICAL FOOTCANDLES ON BOOK SHELVES

Ceiling	1'		2'		3'		4'		
1.00	84.9	85.1	85.2	85.0	84.8	85.0	85.1	85.1	84.9
2.00	64.5	63.9	64.1	64.2	64.3	64.2	64.1	63.8	64.5
3.00	50.1	50.2	50.1	50.1	50.2	50.1	50.1	50.2	50.1
4.00	41.3	41.2	41.3	41.3	41.3	41.3	41.3	41.2	41.2
5.00	36.8	36.7	36.8	36.7	36.7	36.7	36.8	36.7	36.8
6.00	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
7.00	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
8.00	27.5	27.5	27.5	27.5	27.4	27.5	27.5	27.5	27.5
9.00	25.9	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.9
10.00	23.9	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
11.00	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
12.00	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5

Floor
0' 1' 2' 3' 4'
Book shelf aisle width, 36"

ORDERING INFORMATION

Explanation of Catalog Number. Example: STA1G8LR232120SOGLR

To meet NYC Code requirements prefix catalog number with (N).

[ ]	ST	[ ]	1	[ ]	[ ]	[ ]	R	2	[ ]	[ ]	[ ]	[ ]

BLANK = Standard
N = NYC Code

STACKLYTE: 3" Deep Precision Contoured Pre-anodized Aluminum Louver

BODY STYLE:
A=Air Handling
S=Static

FIXTURE WIDTH

1

CEILING TYPE:
G= Grid (lay-in T bar)
F=Flanged (overlap)
Z spline and plaster frame
T=Slot grid or two-directional concealed T (see options)

NUMBER OF CELLS:
8=1 row of 8 cells
12=1 row of 12 cells

LOUVER FINISH:
L=Low Iridescence Semi-specular (standard)
P=Low iridescence specular

REFLECTOR:
R=Specular 95% Reflective

LAMP QUANTITY

2

LAMP/ FIXTURE LENGTH:
32=T8
34=T12
(Nominal 48")

Other dimming options. Consult factory.

VOLTAGE:
120 or 277

BALLAST TYPE:

	LE	<20THD	<10THD
1 Lamp Mag. T12			
1 Lamp Elec. T8 LOL Dimming	SO*	PS	HI*
	–		

***Instant Start Standard**

OPTIONS:
Add appropriate suffix to catalog no, ie: (GLR)

OPTIONS & ACCESSORIES

ACCESS PLATE: Top Wiring access plate is shipped with fixture as standard. When access plates are required in advance for wiring convenience, specify separately. Order Catalog Number: **ACP CSP**.
ELECTRICAL WIRING OPTIONS: Consult factory.
FUSING: Internal fast-blow fusing. SUFFIX: **GLR**.
Internal slow-blow fusing. SUFFIX: **GMF**.
RADIO INTERFERENCE FILTER: 120 or 277 volt, 50 or 60 Hz. One per fixture standard. SUFFIX: **RF**.
SPLAY TRIM: For T ceiling type only. SUFFIX: **CTZ14** .
PLASTER FRAMES: F type fixtures do not include plaster frames. For individual or continuous mounting, specify **PF14** universal frame per fixture.
AIR CLOSURE STRIPS: SUFFIX **ACS4** (factory installed).
DRYWALL KIT: Order Catalog Number: **FK91X4**. Request Folio OA30-10.
CHICAGO PLENUM: SUFFIX: **CP**.

SPECIFICATIONS

PERFORMANCE: Luminaire distribution is to be a minimum of 97.5% in the 0°-60° zone. In an installation of 2 lamp 32W luminaires in a room cavity ratio of 1, reflectance 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .80 with a spacing to mounting ratio of 1.6 perpendicular to the lamps. To meet IES RP1 recommended (basic) requirements for VDT areas the VCP (visual comfort probability) shall not be less than 90 either crosswise or lengthwise, and the maximum

SPECIFICATIONS (continued)

average brightness at 65°, 75° and 85° shall not exceed 617, 191 and 162 candelas per square meter respectively in the 0°, 45° and 90° horizontal planes.
AIR HANDLING: (STA only) side air passages for air supply or air return. Optional side closure strips. Air return is also provided through the lamp compartment through fixture body ends.
MATERIALS: Chassis parts are die-formed embossed cold rolled steel.
Housing is embossed for rigidity with all edges turned-in for safe handling.
LOUVER: Pre-anodized aluminum (Coilzak® or equal).
FINISH: Louver—semi-specular low iridescence pre-anodized reflector sheet.
Reflector—95% reflective specular. Phosphate undercoating.
Chassis exterior—black baked polyester enamel.
ELECTRICAL: Thermally protected class "P" ballast C.B.M. approved, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°.
LABELS: I.B.E.W./UL and C-UL.

Job Information **Type:**

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